

Chemical and Environmental Measurement Information

Recra LabNet Philadelphia Analytical Report **REVISION**

Client: TNU-HANFORD B99-078

W.O. #: 10985-001-001-9999-00

RFW#: 9909L152

Date Received: 09-21-99

SDG/SAF #: H0537/B99-078

SEMIVOLATILE

This narrative was corrected to add the TIC search for Tributylphosphate.

RECEIVED MAR 2 0 2000

Two (2) soil samples were collected on 09-16,17-99.

EDMC

The samples and their associated QC samples were extracted on 09-30-99 and analyzed according to criteria set forth in Recra OPs based on SW 846 Methods 8270B for TCL Semivolatile target compounds on 10-04-99.

The following is a summary of the QC results accompanying the sample results and a description of any problems encountered during their analyses:

- 1. The cooler temperature upon receipt has been recorded on the chain-of-custody.
- 2. The required holding times for extraction and analysis were met.
- 3. Non-target compounds were detected in the samples.
- 4. All surrogate recoveries were within EPA QC limits.
- 5. All matrix spike recoveries were within EPA QC limits.
- 6. One (1) of cleven (11) blank spike recoveries was outside EPA QC limits.
- 7. These samples were spectrally searched for Butylated Hydroxytoluene and Tributylphosphate; however, they were not identified in the samples.

J. Michael Taylor

J. Michael Taylor Vice President

Philadelphia Analytical Laboratory

pef\gorup\data\bna\tnu09152.doc

01つフーਘ Date

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 11 pages.

GLOSSARY OF BNA DATA

DATA QUALIFIERS

U	=	Compound was analyzed for but not detected. The associated numerical value is the estimated
		sample quantitation limit which is included and corrected for dilution and percent moisture.

- Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; or 2) when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. For example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.
- E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- **D** = Identifies all compounds identified in an analysis at a secondary dilution factor.
- I = Interference.
- NQ = Result qualitatively confirmed but not able to quantify.
- A = Indicates that a TIC is a suspected aldol-condensation product.
- N = Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- This flag is used for a TIC compound which is quantified relative to a response factor generated from a daily calibration standard (rather than quantified relative to the closest internal standard).
- Y = Additional qualifiers used as required are explained in the case narrative.

mmz\10-94\gloss.bna



GLOSSARY OF BNA DATA

ABBREVIATIONS

BS = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spike solutions and carried through all the steps in the method. Spike recoveries are reported.

BSD = Indicates blank spike duplicate.

MS = Indicates matrix spike.

MSD = Indicates matrix spike duplicate.

DL = Suffix added to sample number to indicate that results are from a diluted analysis.

NA = Not Applicable.

DF = Dilution Factor.

NR = Not Required.

SP, Z = Indicates Spiked Compound.

mmz\10-94\gloss.bna



Recra LabNet - Lionville Laboratory

Semivolatiles by GC/MS, HSL List

Report Date: 10/25/99 18:22 Client: TNU-HANFORD B99-078 Work Order: 10985001001 Page: la RFW Batch Number: 9909L152

·	Cust ID:	BOWBR9		BOWBR9		BOWBR9)	BOWBTO)	SBLKDP		SBLKDP BS	
Sample	RFW#:	001		001 MS	,	001 MSD)	002	:	99LE1185-M	Œ1	99LE1185-N	MB1
Information	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00)	1.0	0	1.0	0	1.0	0	1.0	0	1.0	0.0
	Units:	UG/KG	3	UG/K	.G	UG/K	(G	UG/K	Œ	UG/k	G	UG/F	ΚG
	Nitrobenzene-d5	83	olo .	79	06	82	٥١٥	65	96	89	જ	94	%
Surrogate	2-Fluorobiphenyl	84	%	79	%	81	%	61	940	88	010	91	8
Recovery	Terphenyl-d14	92	%	92	%	97	%	77	olo	98	%	103	%
	Phenol-d5	89	%	83	%	86	%	68	%	90	%	95	0/0
	2-Fluorophenol	88	ક	81	%	84	90	66	%	88	જ	92	9
	2,4,6-Tribromophenol	89	%	88	%	89	olo	66	જ	84	%	96	%
==========			fl==	=======		========		========					
Phenol		350	U	76	%	82	%	410	U	330	U	87	00
bis(2-Chlore	oethyl)ether	350	U	350	U	350	U	410	U	330	U	330	U
2-Chloropher	nol		U	7 5	8	81	%	410	U	330	U	86	%
1,3-Dichloro	benzene	350	Ū	350	U	350	U	410	U	330	U	330	Ū
1,4-Dichloro	obenzene	350	U	66	૪	79	ob o	410	U	330	U	87	ે
1,2-Dichlord	obenzene	350	U	350	U	350	U	410	U	330	U	330	U
2-Methylpher	101		U	350	U	350	U	410	U	330	U	330	U
	(1-Chloropropane)	350	U	350	U	350	U	410	U	330	U	330	U
4-Methylpher	nol	350	U	350	Ų	350	U	410	U	330	U	330	U
N-Nitroso-di	i-n-propylamine		U	86	%	91	0/0	410	U	330	Ü	102	8
Hexachloroet	hane	350	U	350	U	350	U	410	U	330	U	330	Ū
Nitrobenzene			U	350	U	350	U	410	U	330	U	330	U
Isophorone			U	350	Ü	350	U	410	U	330	U	330	U
	01		U	350	U	350	U	410	U	330	Ü	330	U
	lphenol		U	350	U	350	U	410	U	330	U	330	U
	oethoxy)methane		U	350	U	350	Ü	410	U	330	U	330	U
	ophenol		U	350	U	350	U	410	U	330	U	330	U
	lorobenzene		U	72	%	82	%	410	U	330	U	93	%
		350	U	350	U	350	U	410	U	330	U	330	U
4-Chloroanil	line	350	U	350	U	350	U	410	U	330	U	330	U
Hexachlorobu	ıtadiene	350	U	350	U	350	U	410	U	330	U	330	U
	methylphenol	350	U	0.8	૪	84	%	410	U	330	U	88	ે
2-Methylnaph	nthalene	350	U	350	U	350	U	410	U	330	U	330	Ü
Hexachlorocy	/clopentadiene	350	U	350	U	350	U	410	U	330	U	330	U
	lorophenol	350	U	350	U	350	U	410	U	330	U	330	U
2,4,5-Trichl	lorophenol	880	U	880	U	880	U	1000	U	840	Ų	840	U

*= Outside of EPA CLP QC limits.



RFW Batch Number: 9909L152	<u> Client: TNU</u>	-HANFORD B99-0	078	Work	Order: 10	<u>985</u>	001001	<u> Paqe: 1b</u>			
Cust ID:	BOWBR9	BOWBR9	BOWBRS	9	BOWBTO		SBLKDP	SBLKDP BS			
RFW#:	001	001 MS	001 MSI)	002		99LE1185-MB1	99LE1185-MB1			
2-Chloronaphthalene	350 U	350 U	350	U	410	U	330 U	330 t			
2-Nitroaniline	880 11	880 U	880	U	1000	Ų	840 U	840 U			
Dimethylphthalate	350 U	350 U	350	U	410	U	330 U	330 E			
Acenaphthylene	350 U	350 U	350	U	410	U	330 U	330 t			
Dimethylphthalate Acenaphthylene 2,6-Dinitrotoluene	350 U	350 U	350	U	410	U	330 U	330 U			
3-NICIOAIIIIINE	880 0	880 U	880	U	1000	U	840 U	840 U			
Acenaphthene 2,4-Dinitrophenol	350 U	80 %	86	%	410	U	330 U	91 %			
2,4-Dinitrophenol	880 U	880 U	880	U	1000	Ű	840 U	840 U			
4-Nitrophenol	880 U	71 %	76	%	1000	U	840 U	89 %			
Dibenzofuran	350 U	350 U	350	U	410	U	330 U	330 U			
2,4-Dinitrotoluene	350 U	80 %	87	%	410	U	330 U	94 * %			
Diethylphthalate	350 U	350 U	350	U	410	U	330 U	330 U			
4-Chlorophenyl-phenylether	350 U	350 U	350	U	410		330 U	330 U			
Fluorene		350 U	350	U	410	U	330 U	330 U			
4-Nitroaniline	880 U	880 U	880	U	1000		840 U	840 U			
4,6-Dinitro-2-methylphenol	880 U	880 U	880	U	1000		840 U	. 840 U			
N-Nitrosodiphenylamine (1)	350 U	350 U	350	U	410	U	330 U	330 U			
4-Bromophenyl-phenylether	350 U	350 U	350	U	410	U	330 U	330 U			
Hexachlorobenzene !	350 U	350 U	350	U	410	U	330 U	330 U			
Pentachlorophenol	880 U	74 %	79	%	1000	U	840 U	92 %			
Phenanthrene	350 บ	350 U	350	U	410	U	330 U	330 U			
Anthracene	350 U	350 U	350	U	410	U	330 U	330 U			
Carbazole	350 U	350 U	350	U	410	U	330 U	330 U			
Di-n-butylphthalate	350 U	350 U	350	U	410	U	330 U	330 U			
Fluoranthene	350 U	350 U	350	U	410	U	330 U	330 U			
Pyrene	350 U	91 %	96	010	410	U	330 U	98 %			
PyreneButylbenzylphthalate	350 U	350 U	350	U	410	U	330 U	330 U			
3,3'-Dichlorobenzidine	350 U	350 U	350	U	410	U	330 U	330 U			
Benzo(a)anthracene	350 U	350 U	350	U	410	U	330 U	330 U			
Chrysene	350 U	350 U	350	U	410	U	330 U	330 U			
Chrysenebis(2-Ethylhexyl)phthalate	350 U	350 U	350	U	410		330 U	330 U			
Di-n-octyl phthalate	350 U	350 U	350	U	410	U	330 U	330 U			
Benzo(b)fluoranthene	350 U	350 U	350		410		330 U	330 U			
Benzo(k)fluoranthene	350 U	350 U	350			U	330 U	330 U			
Benzo(a)pyrene	350 U	350 U	350		410	U	330 U	330 U			
Indeno(1,2,3-cd)pyrene	350 U	350 U	350		410		330 U	330 U			
Dibenz(a,h)anthracene	350 U	350 U	350		410		330 U	330 U			
Benzo(q,h,i)perylene	350 U	350 U	350		410		330 U	330 U			
(1) - Cannot be separated from Diph						-	330 0	330 0			

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

BOWBR9

Lab Name: Recra.LabNet Work Order: 10985001001

Client: TNU-HANFORD B99-078

Matrix: (soil/water) SOIL Lab Sample ID: 9909L152-001

Sample wt/vol: 30.0 (g/mL) \underline{G} Lab File ID: $\underline{D}100413$

Level: (low/med) LOW Date Received: 09/21/99

% Moisture: _____5 decanted: (Y/N)___ Date Extracted: 09/30/99

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/04/99

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) \underline{N} pH: ____ CONCENTRATION UNITS: Number TICs found: 2 (ug/L or ug/Kg) <u>UG/KG</u>

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
=======================================	====================================	======	===== ======	====	
1.	UNKNOWN	8.49	100	JB	
2.	ALDOL CONDENSATE	9.03	100	JAB	
		1	l i	İ	

1 F

CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

BOWBTO	
1	

Lab Name: Recra.LabNet Work Order: 10985001001

Client: TNU-HANFORD B99-078

Matrix: (soil/water) <u>SOIL</u>

Lab Sample ID: 9909<u>L152-002</u>

Sample wt/vol: 30.0 (g/mL) \underline{G} Lab File ID: $\underline{D}100416$

Date Received: 09/21/99

Level: (low/med) LOW

% Moisture: 18 decanted: (Y/N) Date Extracted: 09/30/99

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 10/04/99

Injection Volume: 2.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) \underline{N} pH: ____

Number TICs found: 3

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>

Ţ				į
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=======================================	=======================================	======	=========	
1.	UNKNOWN	8.48	100	JB
2.	ALDOL CONDENSATE	9.02	100	JAB
3,	ALDOL CONDENSATE	9.80	100	JA
				1

Lab Name: Recra_LabNet Work Order: 10985001001

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SBLKDP	

CLIENT SAMELE NO.

Client: TNU-HANFORD B99-078

GPC Cleanup: (Y/N) \underline{N} pH: ____

Lab Sample ID: 99LE1185-MB1 Matrix: (soil/water) <u>SOIL</u>

Sample wt/vol: 30.0 (g/mL) \underline{G} Lab File ID: <u>D100411</u>

Level: (low/med) <u>LOW</u> Date Received: <u>09/30/99</u>

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 09/30/99

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/04/99

Injection Volume: 2,0(uL) Dilution Factor: 1.00

CONCENTRATION UNITS: Number TICs found: 2 (ug/L or ug/Kg) <u>UG/KG</u>

				—— i
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=======================================	=======================================	======		====
1.	UNKNOWN	8.49	100	J
2.	ALDOL CONDENSATE	9.03	80	JA
			1	1

Recra LabNet - Lionville Laboratory BNA ANALYTICAL DATA PACKAGE FOR TNU-HANFORD B99-078

DATE RECEIVED: 09/21/99 RFW LOT # :9909L152

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	בערט / סטבט	ANALYSIS
			TREE #	COBBECTION	LATK/TREE	MVALISIS
BOWBR9	001	S	99LE1185	09/16/99	09/30/99	10/04/99
BCWBR9	001 MS	S	99LE1185	09/16/99	09/30/99	10/04/99
BCWBR9	001 MSD	S	99LE1185	09/16/99	09/30/99	10/04/99
BOWBTO	002	S	99LE1185	09/17/99	09/30/99	10/04/99
LAB QC:						
SBLKDP	MB1	S	99LE1185	N/A	09/30/99	10/04/99
SBLKDP	MB1 BS	S	99LE1185	N/A	09/30/99	10/04/99

RECRA Labi	let l	Jse C	Only (Custo	dv T	ransfer l	Rec	ord/L	ab \	۷o	rk	Re	au	es	t P	age.	of	<u>.1</u>	-	C	١.	. F	REC	RΔ																															
99091	<u> </u>	52		711 FI	ELD PER	ransfer l	PLETE	ONLY SH	IADED	ARE	AS	(4	3)	per W	rone et l	ah.	net	als	1			Ĺ	REC .abl	Vet																															
Client TNU	ιн	200			-078	<u></u>	Retrigerator #			t	6-						16					-1																																	
Fet Final Proi	Sai	mnlin	n Date				#/Type	Container	Liquid																																														
Project #	201	85-	- 001-0	01-990	29-00		#/Type	witype container																, po comens.		7 ype Container		#/Type Container		#/Type Container		Solid Ica H				#/Type Container Solid						}	اهم		1_		1	03					-}		
Project Contac							Volume	Volume		0		٥:										-																																	
RECRA Projec	t Me	nade	, OJ				Soli			60	}	<u>250</u>		<u>+</u>		<u> </u>	<u>500</u>					-1_																																	
ac Mec		De	1 std	TAT	30_	day	Presen	vatives	1		ORG/	ANIC				_	INC	BG																																					
OC <u>A ADUC</u> Date Rec'd C	1 - ગ	1.99	9	Date Due	10/2	1199	ANALY REQUE		-	۸ ا ا ا		PCB	Herb	#			Metal	S						ı																															
Account #	Matrix										·		Ţ	1	RE	CRA L	abNet	Use (Only		ļ																																		
MATRIX CODES: S - Soil SE - Sediment	Lat iD		C	lient IO/Descr	iption	QC Chosen (⊬)	Matrix	Date Collected	Time Collected	824 833	EZSH DPRO	OPCB		to	yk i	10RG	Dence	10ND	12342	WHSW IPH	च्ये देखे	(C)(O)		l																															
SO - Solid SL - Sludge	<u> </u>	77.00	- 5:0		MS MSD		10.1		00	90	0		J)				-		~	7	7																																		
- T.	DOI BOWBR					<u>্</u> ড	7/16/99		4	X	. X		<u>X</u>		X	X	7	1	V		-																																		
A - Air DS - Drum	00	<u>۲</u>	Bou	BTØ			1	7/17/99	<u>0935</u>	<i>/</i>	<u> </u>	<u>X</u> _		1	-	_		V	-	V																																			
Solids DL - Drum		\perp					ļ			-				ļ	ļ	-																																							
Liquids L EP/TCLP		_					 	-	·						<u> </u>																																								
Leachate WI - Wipe		<u>-</u> -		 											-																																								
X - Other F - Fish	-	-						 				•				ļ																																							
								<u> </u>											<u> </u>																																				
		\bot						 																																															
		_								-					ļ	 																																							
						DATE	REVISIO	<u> </u>	· ··· ·		1						<u> </u>	<u> </u>	DEC	RA Lat	Not He	- Only	<u> </u>																																
Special Instructi								1(E D=a	un	N	atr	LX_	Q					molae	were:			C Tape																																	
saf	#	BA	19-07	8		97	ret o	$Q = \dot{\alpha}$	1.180	c.C	d.C	7.7	2b.	Se.	aa		1)	Shippe	ed 🖳	or	1)	Present	i ga, Out	ter																															
$^{\prime}$ $^{\prime}$		•				 _	-		, 0,,,	9	1;	V. 2	и.	14 de .	0				ivered .				∑. ² or en on C																																
		_				0/2	2 100	3. <u>B</u> 4. 1815	مملک ماراد	1 21	a a b	r. 	t c	ΔC			1	bill # _ Ambiei	nt or 🕫	illea	Pa	ckage 🤇	Y) or	N																															
COMPOSITE 4/12 WASTE								4. 75512	WEGG	1 pr		بالإنفار		<i>v</i>			3)	Receiv	ectio G	00d	3)	Present)	on Sar	πριe N																															
								5											ol Lodicat		4)	Unbrok	en on																																
								6				 -					4) Labels Indicate Properly Preserved					Sample Oor N COC Record Present																																	
Reiinquished by		Ŕ	Received by	Date	Time	Relinquished by		Received by		ate	Tim	Discrepancies Between Samples Labels and					(火) or N 5) Received Within					on Sam	pole Red	c't																															
4-De:-	125 Q1 Y2 h 1915						OR	IGINAL					COC	Recor	d? Y	0	N Holding Times					J																																	
-reder		<u>~</u> /	mar	1/21/17				RITTE				\neg	1		2 <u>42</u> -	195	Sagudge Cooler 2.5 c																																						
				_ l					-111		<u> </u>		┅		-	. , -																																							

Bechtel Hanfor	rd Inc.	CI	HAIN OF CUST	TODY/S	,	B9 9	-078-124	Page <u>i</u>	of 1 —						
Collector Bowers/Trice			any Contact is Cearlock	Telephor		· · · · · · · · · · · · · · · · · · ·		roject Coordii RENT, SJ	nator P	rice Code	8N	Data Tu	rnaround		
Project Designation 200 Area Source character	rization - 200-CW-1 OU	Sampl	ing Location B pond (B8758) >15'		SAF No. 399-078				45	Days					
Ice Chest No.	99-018		ogbook No.				Method of Shipment								
L	11-016		Property No.					Fed Ex Bill of Lading/Air Bill No.							
Shipped To TMARECRA B 10 A F C R A	<u> </u>		A9902	-6D			4235 7952 9609								
								COA B 2	OCU	167,	/ _				
POSSIBLE SAMPLE HA	ZARDS/REMARKS		Preservation	Cool 4C	Cool 4C	None	Cool 4C		- -						
			Type of Container	aG	aG	aG	aG		· · · · · ·				1		
			No. of Container(s)	ı	1	1	ŀ								
Special Handling and/or S	itorage		Volume	60mL	250mL	250mL	500mL						į.		
	SAMPLE ANAL	YSIS		VOA - \$260A (TCL); VOA - \$260A (Add- On) (I- Propanol, Ethanol)	Semi-VOA - 8270A (TCL); TPH-Diesel Range - WTPH-D; PCBs - 8082	Instructions	See item (2) Special Instruction								
Sample No.	Matrix *	Sample Date	Sample Time		操 的有值	NAME OF			外面排列	When the	OF THE !		柳繁世界		
вомвтя ВЭО	Soil						<u> </u>			<u></u> .					
вомвур 9-14-97	Soll			ļ			ļ 		! 						
BOWBR9	50:1	9-16-99	1370	X_	X	<u> </u>	X		Bou	CRI	<u> </u>	<u> </u>	<u> </u>		
				ļ	ļ	 	<u> </u>		<u></u>	<u> </u>		<u> </u>	<u> </u>		
CHAIN OF POSSESSION		Sign/Prin		ate/Tjme	See o	ze for Np-237,	comments isotopic U,	S on SAF B99-078 Ni-63, Tech-99, 1 is, Sulfides, Amm	Tritium, . Ou	t of ICP bottle	also	Matrix * Soil Water			
Relinquished By Dairy Ban Relinquished By Ref 18 9.201	5-16-99/15/15 Date/Time	Received By	A 9-16-49	ate/Time	(1) (Gam (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Gamma Spectro: ma Spec - Add- nium); Isotopic	scopy (Ces on (Americ Plutonium	ium-137, Cobalt-6 cium-241}; Stronti ; Isotopic Thorium	0, Europium- um-89,90 1 {Thorium-2:	152, Europiun lotal Sr; Total 12); Americius	n-155}; Uranium n-241	Vapor Other Solid Other Liqui			
Relinguished By	2099 4 VC	Received By	ved By Date/Time (2) ICP Metals - 6010A (suppose) Selenium, Silver); ICP Metals Vanadium, Zinc); Mercury - 7					6010A (Supertrac 71 - (CV); Chrom	e Add-On) (i ium Hex - 71!	Beryllium, Cop 95	per, Nickel,	4235 795	2 9609		
	21.99/0945	20 Mi	40 9 21.0			- <u>-</u> -				_					
LABORATORY Received SECTION	By /	70] Til	ile						T,	Date/Time			
FINAL SAMPLE Disposa DISPOSITION	I Method					Dispos	sed By				· T	Date/Time			

Bechtel Hanford I	nc.	CI	HAIN OF CUST	rody/s.	AMPLE	E ANAL	YSIS	REQUEST		В99	-078-124	Page <u>1</u>	of 1 C.	
			Company Contact Telephone No. Chris Cearlock 372-9574					Project Coordinator TRENT, SJ		Price Code 8N		Data Turnaround		
								SAF No. B99-078	 {			45	Days	
Ice Chest No. ERC 99	ogbaok Na. 511					Method of Shipment Fed Ex								
Shipped To D&B9-1	Offsite	Offsite Property No. A 990260					Bill of Lading/Air Bill No. 4235 7952 9609							
				,	7	, _	<u>, </u>	COA B2	064	4/6	715_	<u></u>	······································	
POSSIBLE SAMPLE HAZARDS/REMARKS			Preservation	Cool 4C	Cool 4C	None	Cool 40	с						
			Type of Container	aG	aG	aG	aG			 				
Special Handling and/or Storage			No. of Container(s) Volume	60mL	1 250mL	1 250mL	[500m]	L						
	SAMPLE ANAI	YSIS		VOA - \$260A (TCL); VOA - 8260A (Add- On) {I- Propanol, Ethanol}	Semi-VOA - 8270A (TCL); TPH-Diesel Range - WTPH-D; PCBs - 8082	See item (1) in Special Instructions	See item (7 Special Instruction	1	·					
Sample No.	Matrix •	Sample Date	Sample Time			W 2.48	機響		THE PARTY.	W. T.			斯斯里 斯斯	
вомвтя 78	Soil	· 			ļ	ļ	<u> </u>			<u> </u>				
BOWBYO 3-17-77	Soil	 _		<u> </u>	ļ ————	<u> </u>				<u> </u>	<u> </u>			
BOWBTO	50;]	9-17-79	0935	X_	_X_	<u> </u>	X	 -		Bowc	R/			
			_											
CHAIN OF POSSESSION						SPECIAL INSTRUCTIONS See chain of custody comments on SAF B99-078. Out of Gamma Spec. bottle also analyze for Np-237, isotopic U, Ni-63, Tech-99, Tritium, Out of ICP bottle also water analyze for NO2/NO3, IC anions, Sulfides, Ammonia, Total Cyanide, and pH.								
Relinquished By Doing Barram Date/Time Received By Relinquished By Q-17-99/145- Received By			(1) Gamina Spectroscopy (C) Gamma Spectroscopy (C) Gamma Spec - Add-on (Am (Uranium); Isotopic Plutoni (2) ICP Metals - 6010A (Sur 1997)				Cesium-137, Cobalt-60, Europium-152, Europium-155); ericium-241); Strontium-89,90 Total Sr.; Total Uranium um; Isotopic Thorium (Thorium-232); Americium-241 pettrace) (Arsenic, Barium, Cadmium, Chromium, Lead, Is - 6010A (Supertrace Add-On) (Beryllium, Copper, Nicke				Vapor Other Solid Other Liquid			
Kelinguished By	Date/Time 1.99 0945	Received By		nte/Time	Vana		tescury - 7	471 - (CV); Chrom.	um Hex - 7)	96	S16N	Date/Time		
SECTION FINAL SAMPLE Disposal Method DISPOSITION	nod					Dispo	sed By)ate/Time		

£